Approved For Release 2002/08/28: CIA-RDP63-00313A000500020066-3 25X1 Corry 7 of NRO REVIEW COMPLETED & October 1962 MEMBERSHIE THE I Deputy Director (Research) t Records on Lookbood Prolininary Boaten SUPLIKET Study of Regist Stone l. A conclusive evaluation of this proposal carmet be made on the basis of the preliginary and incomplete data presented in the Logicheed report! however, a few observations are presented an certain demian features. 2. Several melindnery studies have been made by lookbeed and others to evolve a drone vergion of the U-2 sireraft and Lookheed has nade a proliminary study of a drope various of the basic A-12 strenaft. In the U-2 case, the study results showed warginal feasibility; in the A-12 case Lockheed believes a drone version could be built, however, the Government has not established a firm view. 3. In the surport report Lockheed proposes a staged combdistion of a modified 4-12 as lameber and a ranjet powered reconsciousness divine recommissance vehicle. The drope configuration is 45 feet long, twenty feet wing span, and 14,000 pounds launch weight. 4. In 1950-57, when this Agency was sponsoring feesibility studies which losd to the present CLCANT progress, a proliminary development was for a sistiar stared commeted with 25X1 but relicted recorreinsence aircraft using the 3-52 as a laureber and a remist recommissance directly of 47 feet length, 37 feet wing open, and 25X1 36,000 pounds gross weight. The difference in size and weight of the 25X1 elecraft vs. the exerent lockhood proposal is explained by the 25X1 FOLLOWING performence tabulations Lockbook staced drops Remove after launch Cruins speed Cruise Altibutes project was concelled in 1959 largely because 25X1 of the operational complexities and lesser reliability of such a staged system

25X1

as compared to an unstaged directive

allowance in a volume several provides a 300 pound easure payload allowance in a volume several times smaller than that available in the A-12. Commons for the A-12 are about 600 pounds in weight. Fast experience with severa payload designs proved that space restrictions do not allow cowers designers swillclass latitude to obtain photographic resolutions and ground coverage squal to that expected from the A-12. To essure design has been included in the Lockhood report and home no quantitative comparison can be make become, the drone vehicle could not be expected to equal photographic resolution, ground coverage, and other desirable photographic fortunes anticipated from the A-12. c. The ranget power plant installation as proposed includes an inlet dust of about 35 ft. length. Swen if a production ranget were satisfied in terms of thrust, weight, and fuel consemption, an extensive dust development must be anticipated for the proposed. 25X1 installation.	follows	By way of specific remarks on the Lockheed dress proposal the my can be said! a. Iliniastics of the danger of capture of a pilot has obvious litical advantages above and beyond a technical appraisal of the relational danger. However, it must be remarked that in an argument situation the actresses of high temperature and dynamic means encountered in the A-12 case as against the 3-2 mean that regency situations involving the A-12 are more sewere in terms of lot survival than those involving a U-2 type sircraft.	
inlet doot of about 35 ft. length. Even if a production remist were suitable in terms of thrust, weight, and fuel consumption, an extensive duct development must be authorpated for the proposed 25X1	The State of the S	common in a volume several times smaller than that available in a A-12. Common for the A-12 are about 600 pounds in weight. It experience with severa periodi designs perved that space restrictions do not allow common designers dictant latitude to obtain photographic resolutions and ground wrage equal to that expected from the A-12. To essure design has a included in the Lockhood report and hence no quantitative contains can be emiss becover, the drone vehicle could not be expected equal photographic resolution, ground overage, and other desirable	25X1
	ex.	et dust of about 35 ft. langth. Sven if a production ramiet wore table in terms of thrust, weight, and fuel consumption, an angles dust development must be anticipated for the proposed	25X1

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Tockedeal Amalyais and Engineering Staff CSA-DD/A

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